

Attorney Docket No.: 13257-00040 (UMD-0096)
Inventors: Ron et al.
Serial No.: 09/830,176
Filing Date: April 23, 2001
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This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended): A composition comprising transduced, spleen-derived, myeloid-committed stem cells in a biological carrier medium.

Claim 2 (currently amended): A composition as claimed in claim 1, wherein said transduced, spleen-derived, myeloid committed stem cells contain an exogenous nucleic acid encoding a beneficial myeloid specific protein selected from the group consisting of glucocerebrosidase, hexosaminidase A, iduronate-2-sulphatase, sphingomyelinase and arylsulfatase A.

Claim 3 (original): A composition as claimed in claim 2 wherein said exogenous nucleic acid is operably linked to a myeloid specific promoter.

Claims 4-6 (canceled).

Claim 7 (currently amended): A method for expressing exogenous nucleic acids in myeloid-committed stem cells comprising:

- a) obtaining myeloid-committed stem cells from spleen; and
- b) contacting said cells with a retroviral vector containing at least one nucleic acid encoding a myeloid specific protein,

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under conditions whereby said vector enters cells and expresses a protein encoded by said at least one nucleic acid.

Claim 8 (original): A method as claimed in claim 7, wherein said at least one nucleic acid encoding a myeloid specific protein is operably linked to a myeloid cell specific promoter.

Claims 9-19 (canceled).